

A13926

Leader in Biomolecular Solutions for Life Science



## Aquaporin-4 (AQP4) Rabbit pAb

Catalog No.: A13926

### Basic Information

**Observed MW**

35kDa

**Calculated MW**

35kDa

**Category**

Polyclonal Antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

### Background

This gene encodes a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. This protein is the predominant aquaporin found in brain and has an important role in brain water homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. Additional isoforms, resulting from the use of alternative in-frame translation initiation codons, have also been described. Recent studies provided evidence for translational readthrough in this gene, and expression of C-terminally extended isoforms via the use of an alternative in-frame translation termination codon.

### Recommended Dilutions

WB 1:500 - 1:2000

### Immunogen Information

**Gene ID**

361

**Swiss Prot**

P55087

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 244-323 of human Aquaporin-4 (AQP4) (NP\_001641.1).

**Synonyms**

MIWC; WCH4; hAQP4; Aquaporin-4 (AQP4)

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

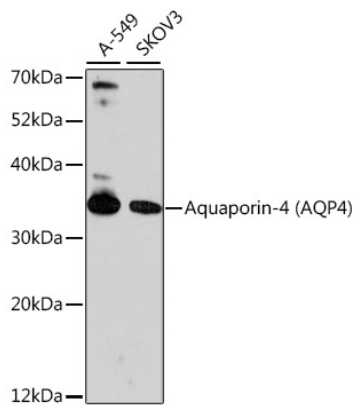
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using Aquaporin-4 (AQP4) antibody (A13926) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 90s.